

**Recent Advances in Geospatial Analysis and Visualization:
H&H Perspective**

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The past few years have led to accelerated advances in geospatial analysis and visualization in all areas of the Corps of Engineers' business practices. These advances have been implemented at project or site, program, and Corps-wide levels. An example of project or site level implementation is inundation mapping for local communities and for regions, such as the Mississippi Basin. Examples of program level implementations are CorpsView for the CWMS program, EngLink-GIS for emergency management, and FUDSMIS-GIS for the Formerly Used Defense Sites Program. These developments have led to CorpsMap, which publishes national-scale geospatial data through a web-based application for use in all Corps business areas. This paper will provide an overview of these advancements and discuss their application to H&H and watershed system analyses.